



400 PATERSON PLANK ROAD
CARLSTADT, NJ 07072
Phone 201-933-0600
Fax 201-933-8442
Email: advpolymer@advpolymer.com
<http://www.advpolymer.com>

MT-150W

MT-150W is a micronized titanium dioxide with hydrophilic characteristics. In an aqueous medium MT-150W excels in retaining superior particle suspension.

MATERIAL DESCRIPTION

Appearance:	Fine white powder
TiO ₂ Content (%):	>91.0
Main Modifiers:	None
Crystal Structure:	Rutile
Loss on Drying (%):	<3.0
Particle Size (nm):	15
Property of Surface:	Hydrophilic

CHARACTERISTICS

Shading effect from UV light:	Excellent
Transparency to visible light:	Excellent
Dispersibility in water:	Excellent
Light stability:	Excellent

APPLICATION

MT-150W was designed for the following applications:

- Cosmetics
- Surface Treating Agents
- Inks
- Paints
- Packaging Material

PACKAGING

MT-150W is available in 8 oz. samples, or 44 lb bags.

MT-150W

Section I Product Identity

Product Name	MT-150W
Chemical Name/Family	Micronized Titanium Dioxide with CI pigment white#6 CI# 77891
CAS Registry #	13463-67-7
All ingredients are listed in EPA's TSCA list of chemical substances	

Section II Hazardous Components/Composition Information

CHEMICAL	CAS #	OSHA PEL	TLV	STEL	PERCENT
Nuisance Dust	N/A	15.0 mg/m ³	10.0 mg/m ³		
Respirable Dust	N/A	5.0 mg/m ³	5.0 mg/m ³		

Section III Physical and Chemical Properties

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	4.2
Vapor Pressure	N/A	Vapor Density (Air=1)	N/A
Percent Volatile By Weight	N/A	Evaporation Rate (BuAc=1)	N/A
Solubility in Water	Not soluble		
Appearance and Odor	White powder, odorless		

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A
Flammable Limits in Air (% By Volume)	N/A
Extinguishing Media	Foam, Dry Chemical, CO ₂
Special Fire Fighting Procedures:	Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment
Unusual Fire and Explosion Hazard	None

Section V Reactivity Data

Stability	Stable	X	Unstable
Conditions to Avoid	None		
Incompatibilities	None		
Hazardous Decomposition or By Products	None		
Hazardous Polymerization	May Occur		May Not Occur X

Section VI Health hazard Data

Primary Routes of Entry		Inhalation	Yes	Dermal	No	Ingestion	No	
Acute Health hazard		No information available						
Chronic Health Hazard		No information available						
Carcinogenity								
NTP			No	IARC	No	OSHA Regulated		No
			Monograph					
Signs and Symptoms of Exposure								
Skin Contact		Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.						
Eye Contact		Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.						
Ingestion		Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.						
Inhalation		No information available.						
Medical Condition Generally Aggravated by Exposure								
Emergency First Aid Procedures								
Eyes		Immediately flush eyes with plenty of water. Call a physician.						
Skin		Immediately wash skin with soap and water. Wash contaminated clothing before reuse.						
Ingestion		Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.						
Inhalation		Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.						

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled: Soak up with sawdust, sand, oil dry or other absorbent material.
Waste Disposal Method As in accordance with EPA and local regulations.

Section VIII Special Precautions

Precautions to be Taken in Handling and Storage: Store in a well-ventilated place at temperatures below 120 F. Keep container tightly closed. Keep from freezing
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Section IX Control Measures

Respiratory Protection:			
Ventilation	Local exhaust	Required to meet threshold limits	
	Mechanical		
	Special		Other
Eye Protection		Safety glasses should be worn	
Protective Gloves		Rubber or plastic gloves should be worn	

Protective Clothing	Rubber apron
Other Protective Equipment	NIOSH approved respirator as needed. Eyewash equioment.
Other Precautions	Wash hands after use.

Section X SARA Title III

SECTION 313 SUPPLIER NOTIFICATION This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNIUTY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371		
CAS #	Chemical Name	Percent by Weight
THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE DCOPIED AND DISTRIBUTED FOR THIS MATERIAL		

Hazard Ratings

Health	1
Flammability	0
Reactivity	0

Date Prepared October 17, 2005

Prepared By API

Date Revised May 28, 2006

Revised By

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